



Roadmap Update

***GRNS Meeting: Washington, D.C.
April 2-3, 2002***

Agenda for this Update

- ***Perspective on RIT presentations today and tomorrow***
- ***Overview of RIT actions and progress***
- ***Summary of current issues***

- ***Highlights of the Feb 18–19 GIF Meeting in London***
- ***Highlights of the Mar 5–8 Leadership meeting in Houston***

- ***Plans for the April 9–11 Quarterly in Washington***
- ***Plans for the April 12 GIF Experts Meeting in Washington***
- ***Plans for the May 21–22 GIF Policy & Experts Meeting in Paris***

Presentations at this Meeting

Tuesday

Bennett

Roadmap Update

Bennett

Evaluation Results

Khalil

Fuel Cycle and System Considerations

Wednesday

Corradini

EC Consistency

Rasin

SR Consistency

Wade

SU Consistency

Miller

NP 2010 Update

RIT Activities – February to March

- ***Supported GIF London meeting Feb 18-19***
- ***Conducted early-look consistency review in Washington Feb 19-20***
- ***Conducted major consistency review in Houston Mar 5-8***
 - ***Captured a summary of Houston actions***
 - ***Issued consistent evaluation spreadsheets (w/o comments)***
 - ***Facilitated TWGCC Draft Selections and Writeup***
 - ***Called for 25-page writeup of concepts from TWGs***
 - ***Instituted configuration control on evaluations***
- ***Issued FSR v3 Mar 4 for GRNS approval, resolved several issues***
- ***Issued FCCG Report Mar 18 for GRNS approval***
- ***Developed RIT Draft Selections based on latest information***

Current Issues

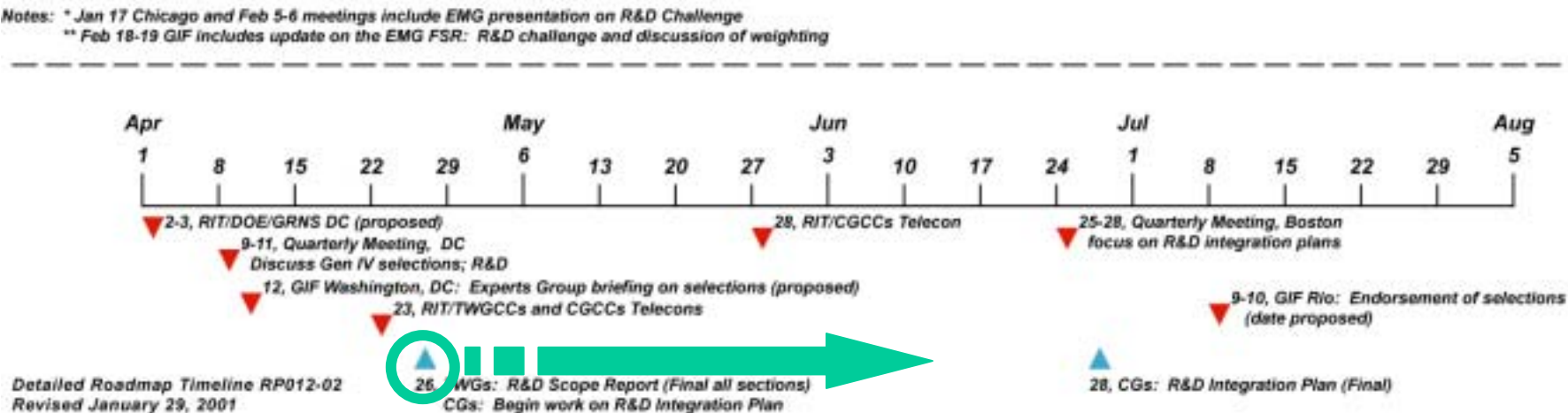
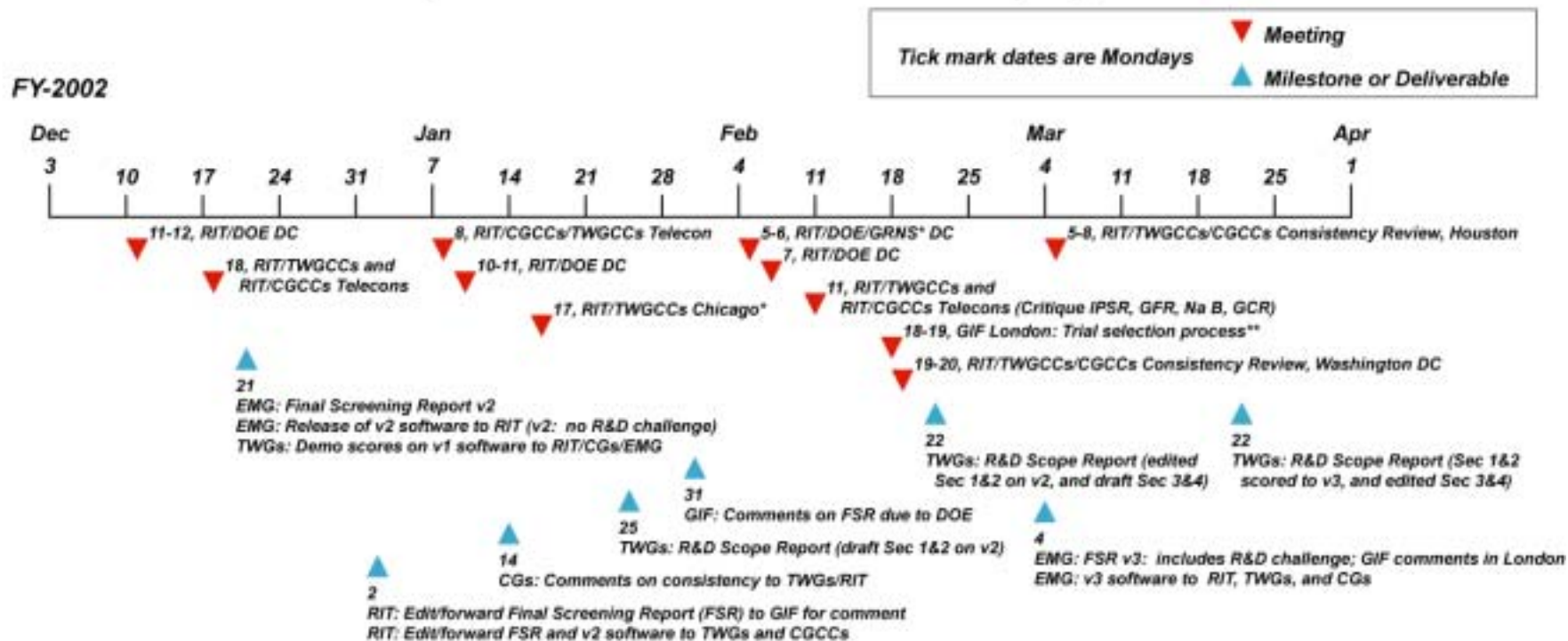
- **Evaluations pending:**
 - **CANDU Once-thru LEU in SU (rechecking)**
 - **CANDU DUPIC values in SU (evaluating)**
 - **SBWR based on large design (revising)**
- **Consistency appeals:**
 - **Na MOX Aq (L1) EC Evaluation – no change**
 - **VCR (N2) and AHTR (N3) SR Evaluation – pending**
- **Final Screening Report v3:**
 - **SU-2 Criteria Weights – finalized**
 - **EC-1 and EC-2 Goal Weights – OK?**
- **Sensitivity of Results to SU-1, SU-3**
- **Selections, and Ranking of all Concepts**
- **Path Forward with GIF**

Current Chronology of Events

- ***Feb 5–6*** ***GRNS Meeting – DC***
- ***Feb 7*** ***RIT/DOE Meeting – DC***
- ***Feb 18–19*** ***GIF London***
- ***Feb 19–20*** ***TWG/CG/RIT Consistency Review – DC***
- ***Mar 5–8*** ***TWG/CG/RIT Consistency Review – Houston***
- ***Mar 25*** ***RIT/DOE Leadership Meeting – DC***
- ***Apr 2–3*** ***GRNS Meeting – DC***

- ***Apr 9–11*** ***RIT/TWG/CG Quarterly Meeting – DC***
- ***Apr 12*** ***GIF Experts Briefing – DC***
- ***May 21–22*** ***GIF Policy & Experts Meeting – Paris***
- ***Jun 25–27*** ***RIT/TWG/CG Quarterly Meeting – Boston***
- ***Jul 9–10*** ***GIF Policy & Experts Meeting – Rio de Janeiro***

DRAFT 8-Month Timeline for the Generation IV Roadmap Focusing on Final Selection and R&D Scoping Activities



GIF London Meeting Highlights

- ***Two-day Policy & Experts Meeting***
- ***Facilitated Comments on FSR v2***
 - ***Comment resolution completed***
 - ***SU3-2 added, SU-2 weights modified***
- ***Summarized current evaluations***
- ***RIT proposed selection based on evaluations and missions; members discussed missions***
- ***INTD discussed in closed session***
 - ***Members favorable, but unsure of what it would mean to the INTD concepts***
 - ***Secretariat asked to make a more specific proposal (sent Mar 28) [see next slide]***
- ***Understood importance of Houston meeting***
- ***Agreed to Apr 12 Experts briefing on selections***
- ***Added a meeting (now May 21-22) of Policy Group to comment and seek consensus on the selections***

Status of Intl Near-Term Deployment (INTD)

- ***Mar 28 Proposal to GIF***
- ***Criteria:***
 - ***Deployable by 2015, and***
 - ***Improves upon ALWR Baseline (Gen III), but is***
 - ***Not selected for Gen IV***
- ***Additional concepts can be proposed by members***
 - ***EPR and APR1400 mentioned***
 - ***Review by appropriate TWG***
- ***Support for INTD Concepts:***
 - ***Recognition in roadmap, factored into R&D plan***
 - ***Individual countries would support***
 - ***Optional for GIF to identify specific collaborations or other activities in support of the concepts***

Houston Meeting Highlights

- ***Four-day Leadership meeting***
 - ***RIT, TWGCCs, CGCCs, EMG***
 - ***All international TWGCCs in attendance***
- ***One-day review (each) of SU, SR and EC***
 - ***One criteria at a time***
 - ***Most inconsistencies based on differing interpretations of the criteria***
 - ***A few inconsistencies based on advocacy***
- ***Key simplifications:***
 - ***SU-1 and SU-2 evaluated analytically by FCCG from standard input of TWGs***
 - ***EC-1 and EC-2 defined and evaluated analytically by ECG from standard input of TWGs***
- ***Ground rules for change***
 - ***1. Majority of TWGs, then by***
 - ***2. RIT co-chairs and DOE project mgr.***

Washington Quarterly Meeting Plans

The Meeting in Brief: (April 9-11)

- ***Half-day plenary session on concept evaluations and selections, comments will be captured***
- ***Half-day plenary session on R&D status and approach***
- ***Remaining days of session in breakouts (TWGs and CGs one day each) to develop R&D needs and priorities***

New schedule for R&D Scope Report will be announced

It is imperative that the RIT be able to narrow the number of concepts being studied for R&D gaps and needs

Washington GIF Experts Meeting Plans

The Meeting in Brief: (April 12)

- ***Half-day devoted to concept evaluations and selections***
- ***Half-day devoted to member comments and discussion***

Key Objectives

- ***Inform the Experts of all available evaluations and summaries***
- ***Present the April 2-3 selections and rankings***
- ***Ask that each member prepare their country's position on the selections for consideration and negotiation at the May 21-22 meeting in Paris***

Paris GIF Policy & Experts Meeting Plans

The Meeting in Brief: (May 21-22)

- ***One and a half-days of debate and negotiation***

Key Objective

- ***Arrive at a consensus selection of 6-8 concepts***

Conduct of the Meeting

- ***Begin with a summary of all country's selections***
- ***Debate selections in order of most preferred to least preferred concept***